US007617631B2

(12) **United States Patent**
Conrad et al.

(10) **Patent No.: US 7,617,631 B2**
(45) **Date of Patent: Nov. 17, 2009**

(54) **PLANT CONTAINER SOIL COVER DEVICE**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 335 days.

(21) Appl. No.: **11/506,106**

(22) Filed: **Aug. 17, 2006**

(65) **Prior Publication Data**

US 2008/0072481 A1 Mar. 27, 2008

(51) **Int. Cl.**
A01G 9/00 (2006.01)

(52) **U.S. Cl.** **47/31.1**

(58) **Field of Classification Search** 47/30, 47/32, 32.4, 31.1, 21.1
See application file for complete search history.

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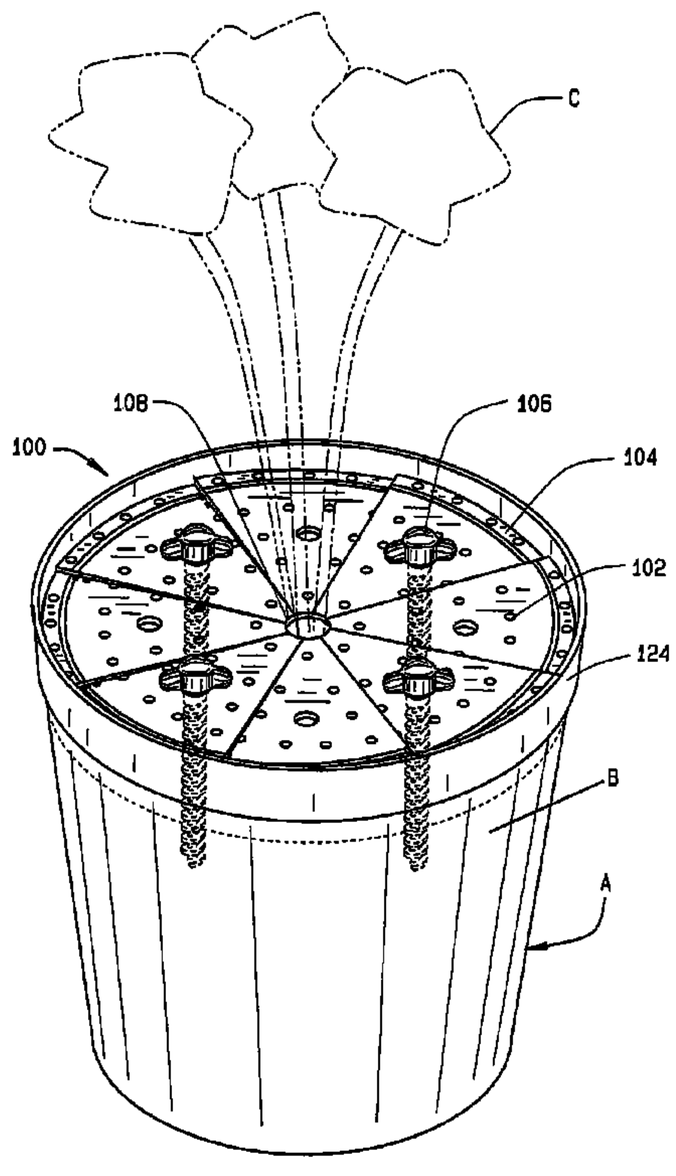
(57) **ABSTRACT**

A soil cover device that removably secures to a plant container to restrict access to soil by children and pets, while facilitating the passage of air, water, and fertilizer to the soil through a plurality of openings. The soil cover device includes a plurality of partition members that removably secure with anchors, which partially imbed into the soil. When assembled, the partition members form an aperture for a plant to extend therethrough.

17 Claims, 5 Drawing Sheets



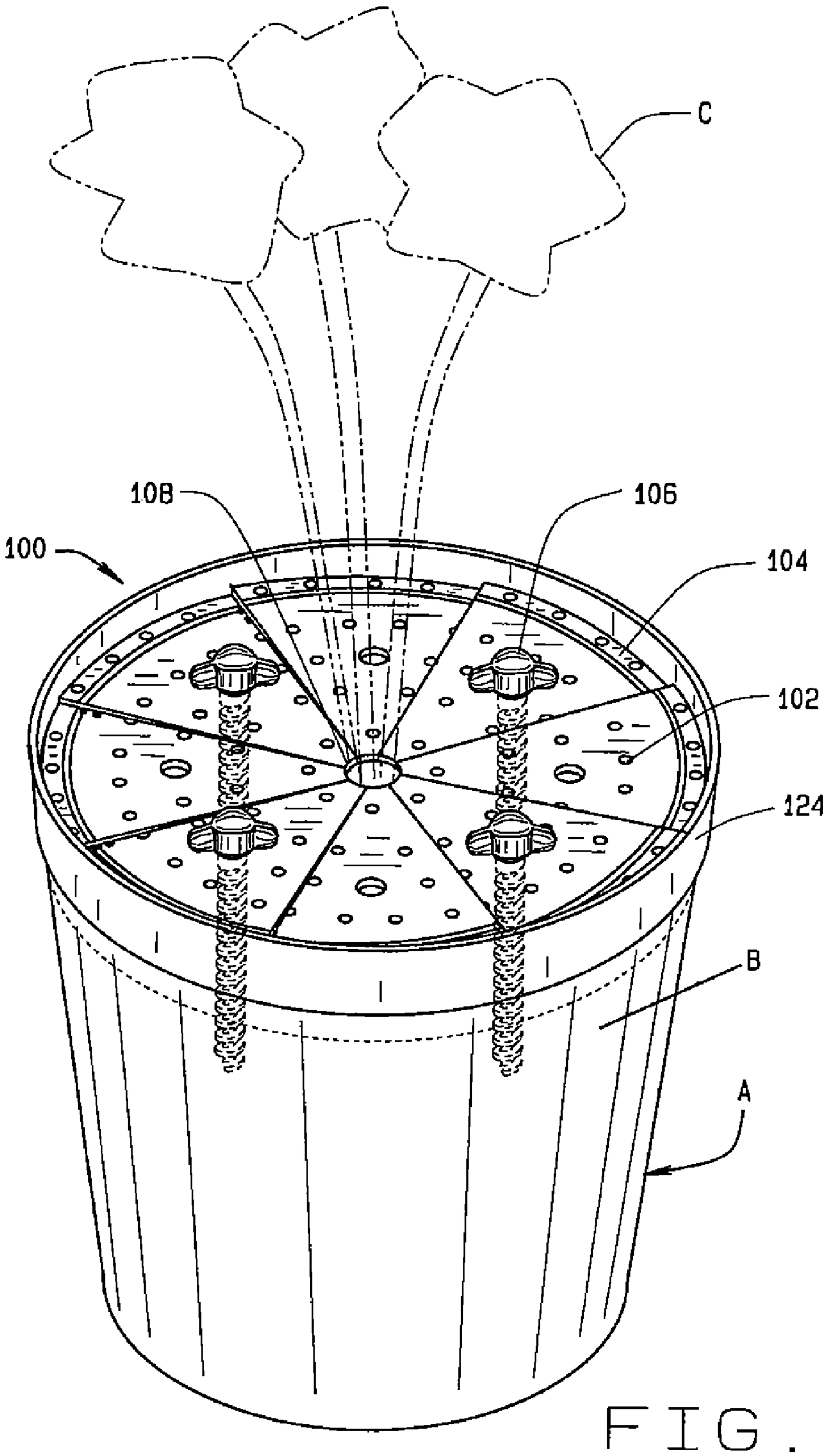


FIG. 1

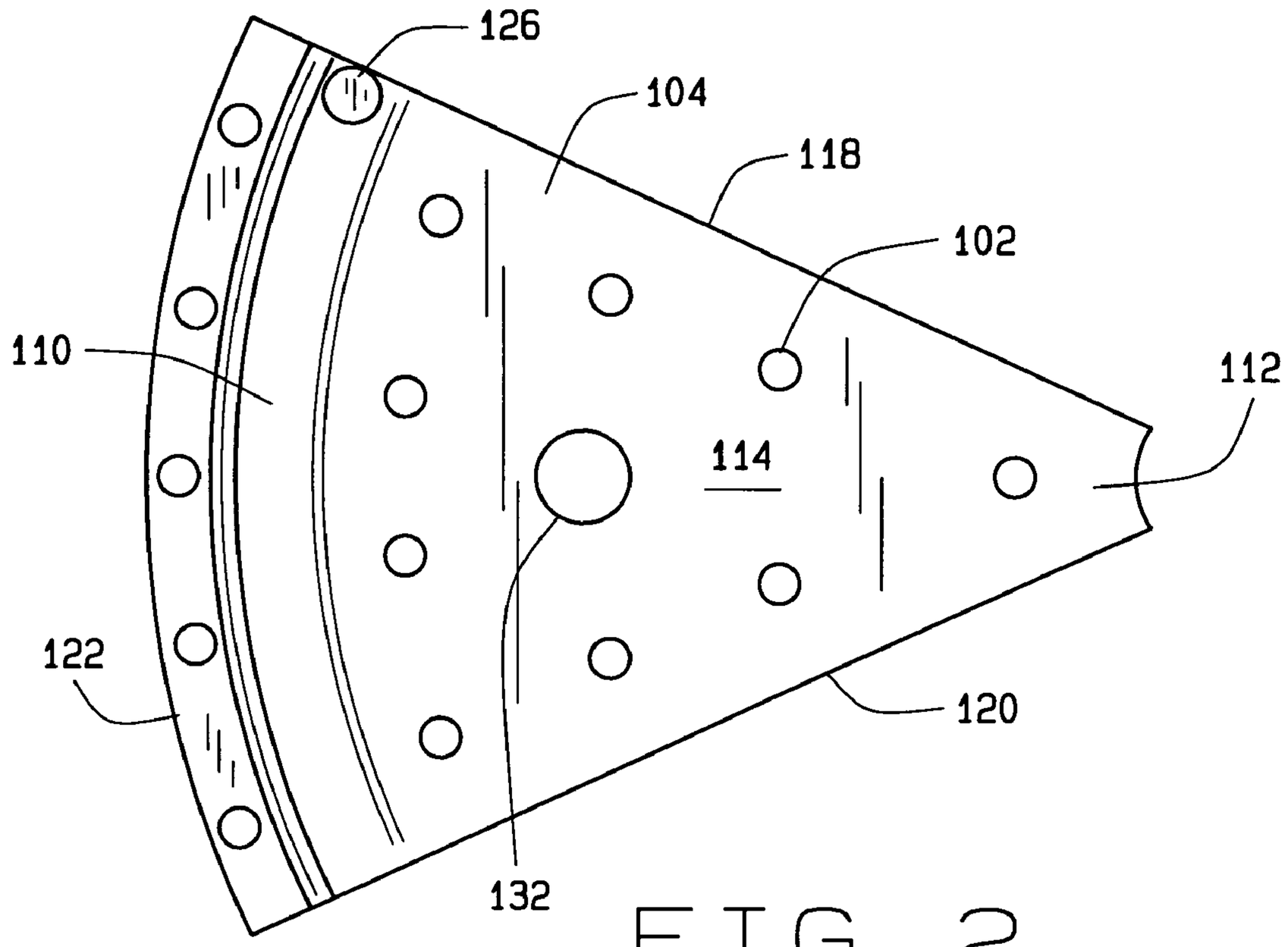

126
104
118
102
110
112
114
122
120
132

FIG. 2

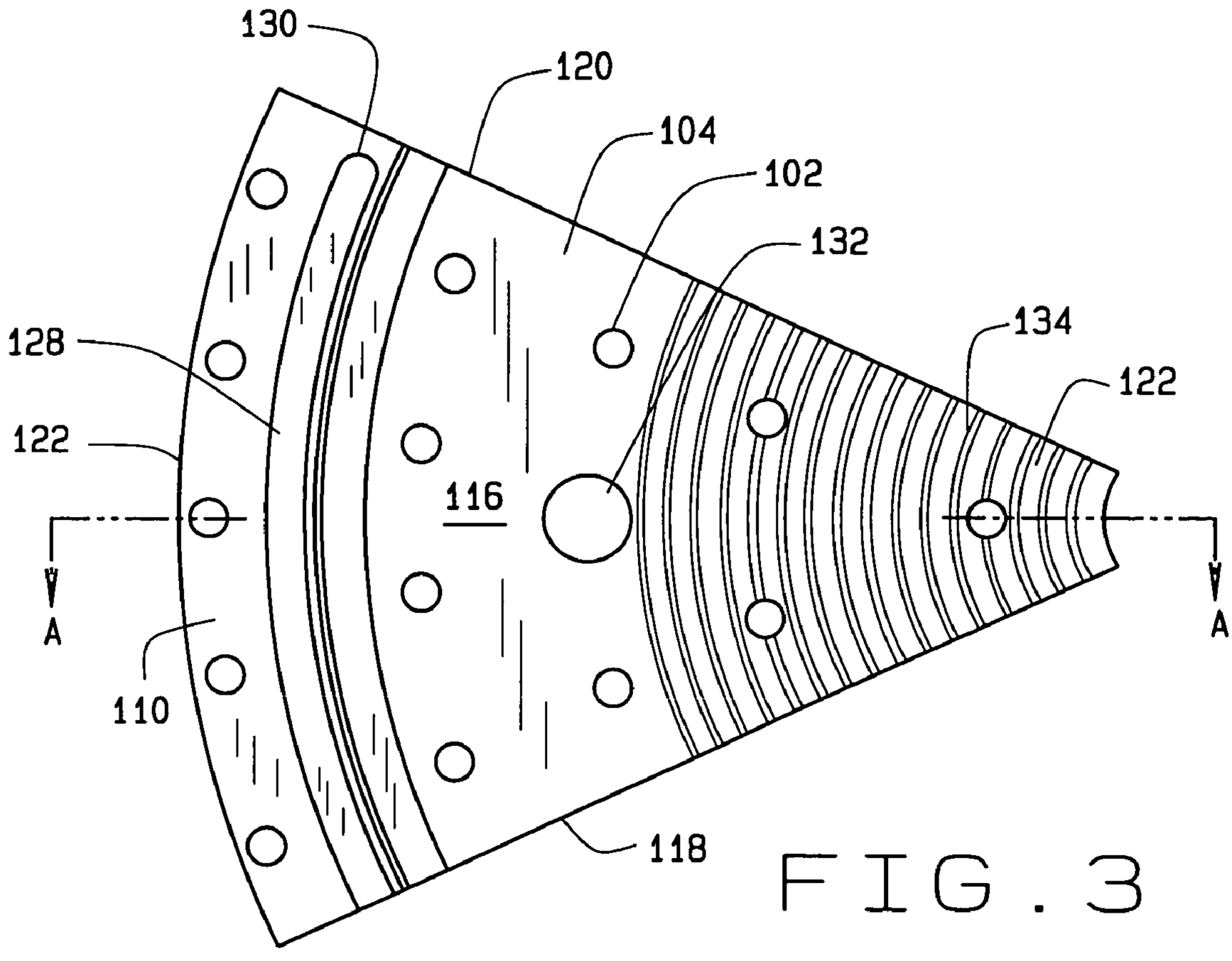

130
120
104
102
132
134
128
122
116
A
A
110
118

FIG. 3

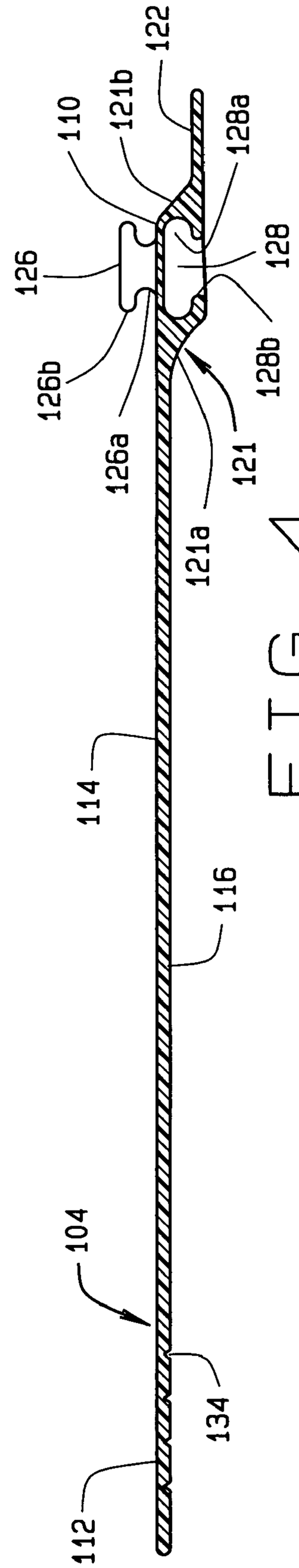

122
121b
110
128a
126
128
126b
128b
126a
121
121a
114
116
104
112
134

FIG. 4

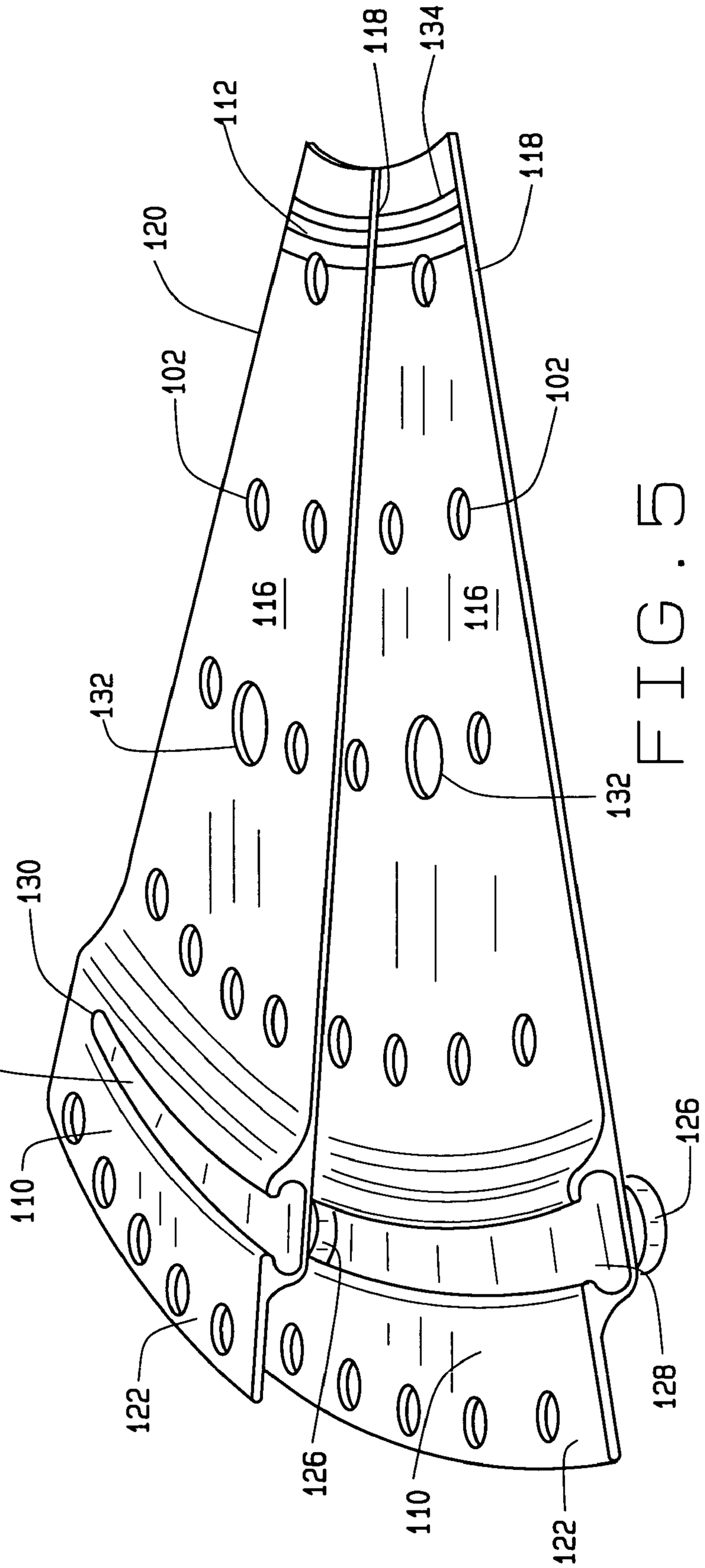

118
134
112
118
120
102
102
116
116
132
132
130
128
110
126
122
126
110
122
128

FIG. 5

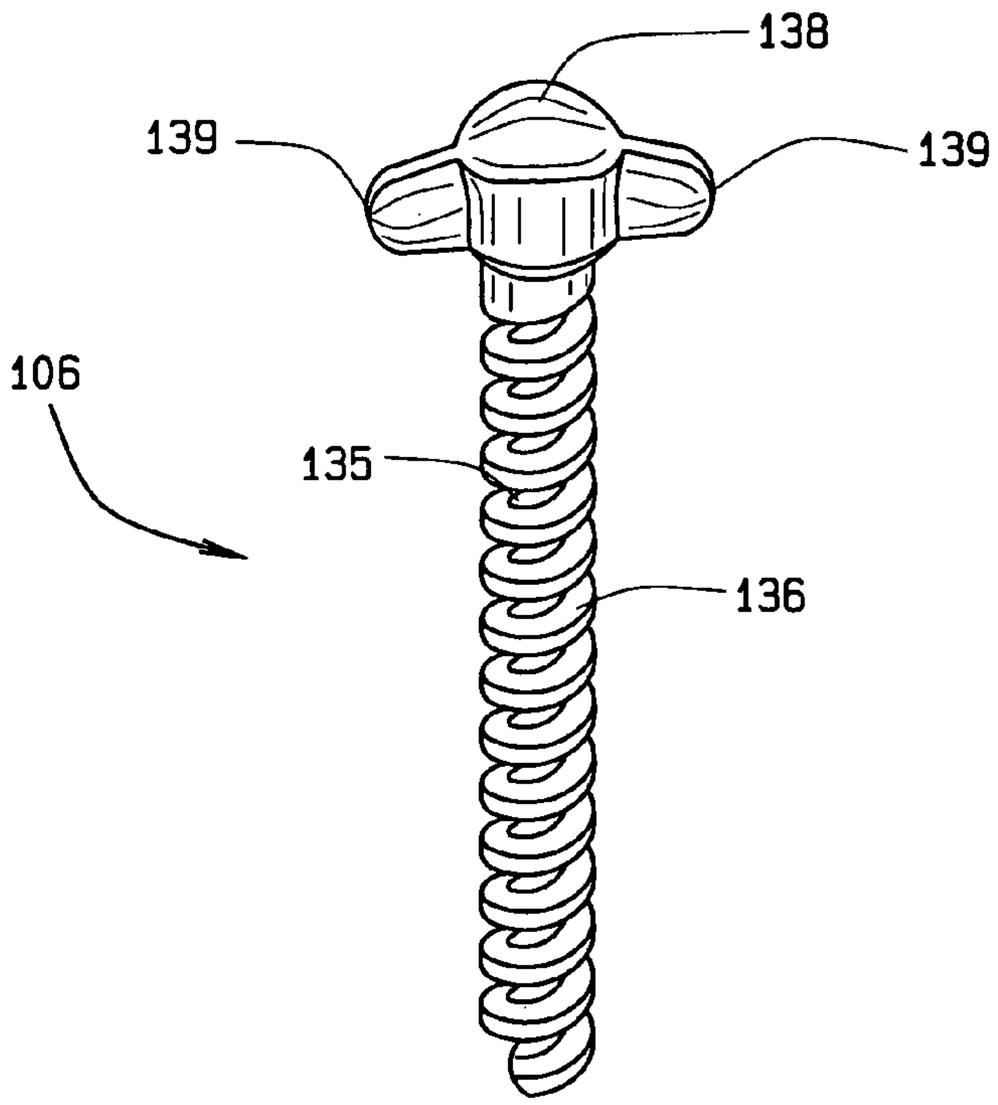

138
139
139
106
135
136

FIG. 6

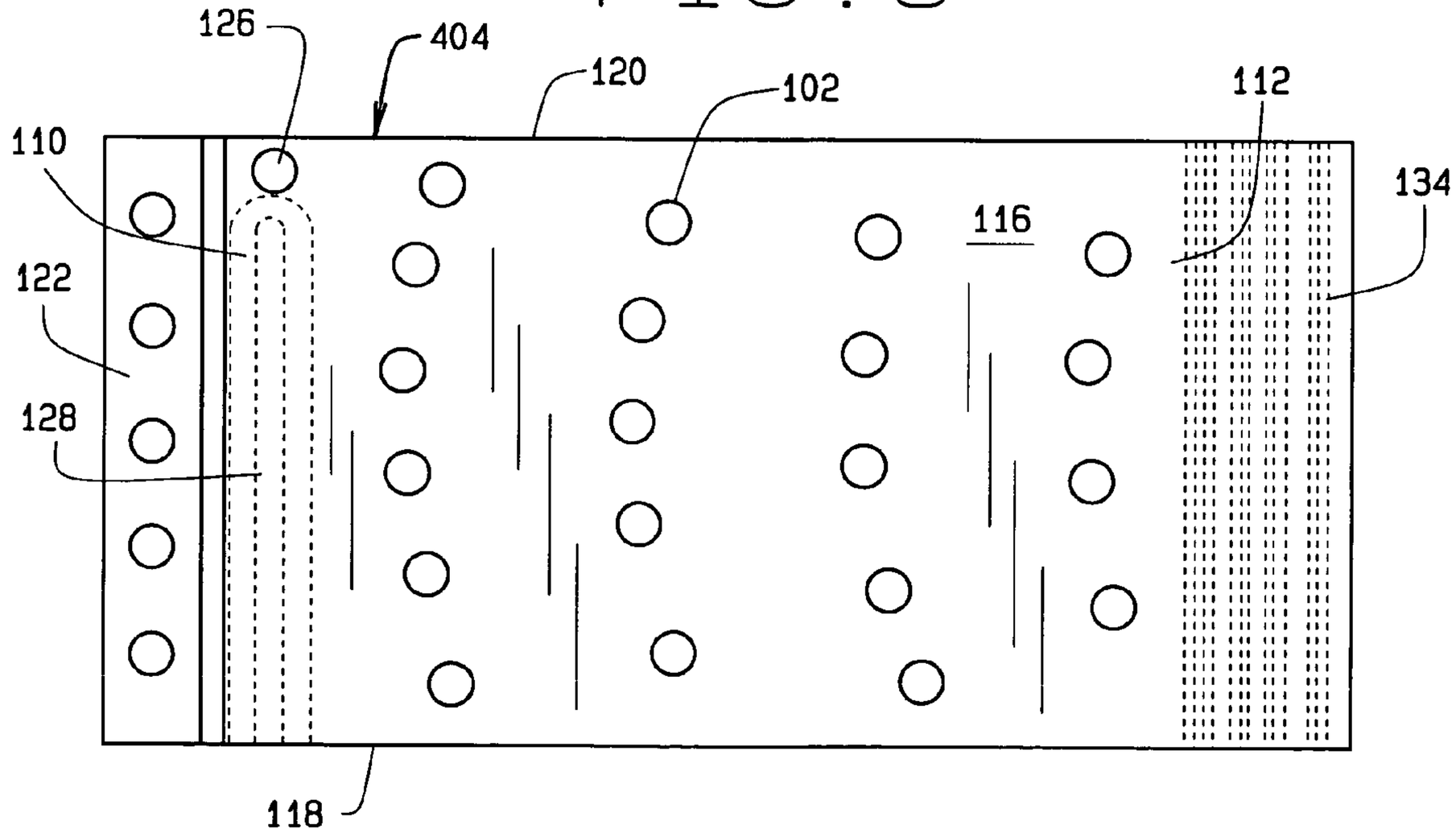

126
404
120
102
112
110
134
116
122
128
118

FIG. 7

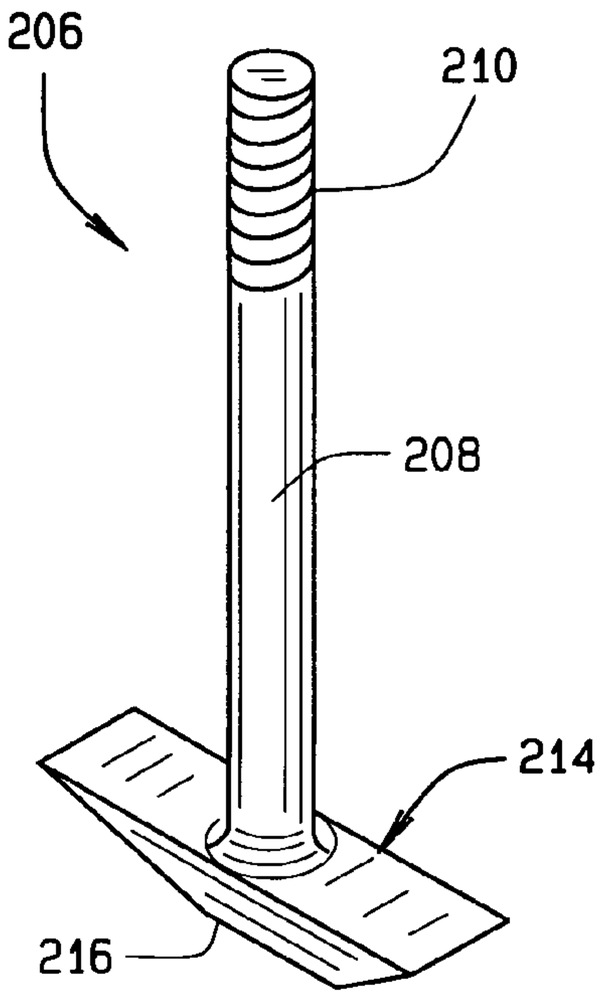


FIG. 8A

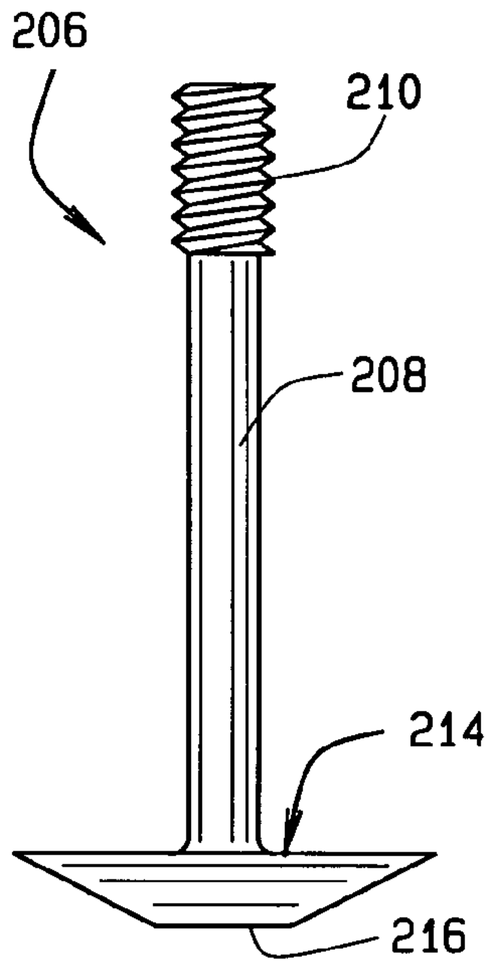


FIG. 8B

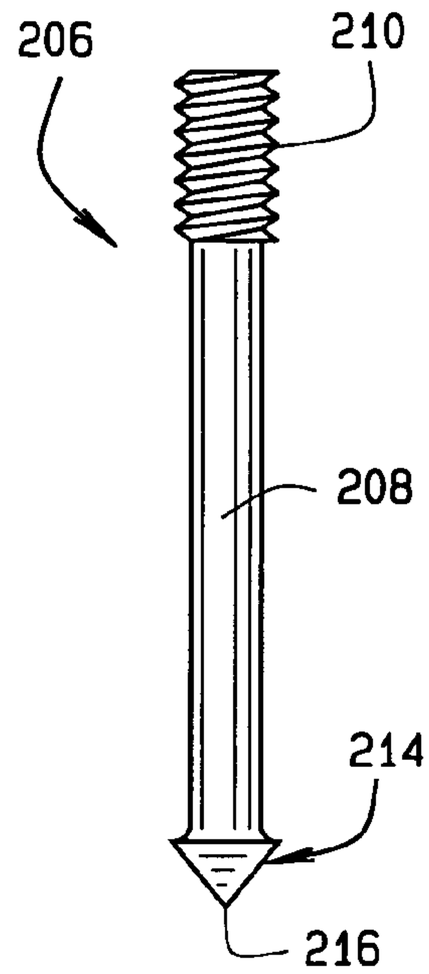


FIG. 8C

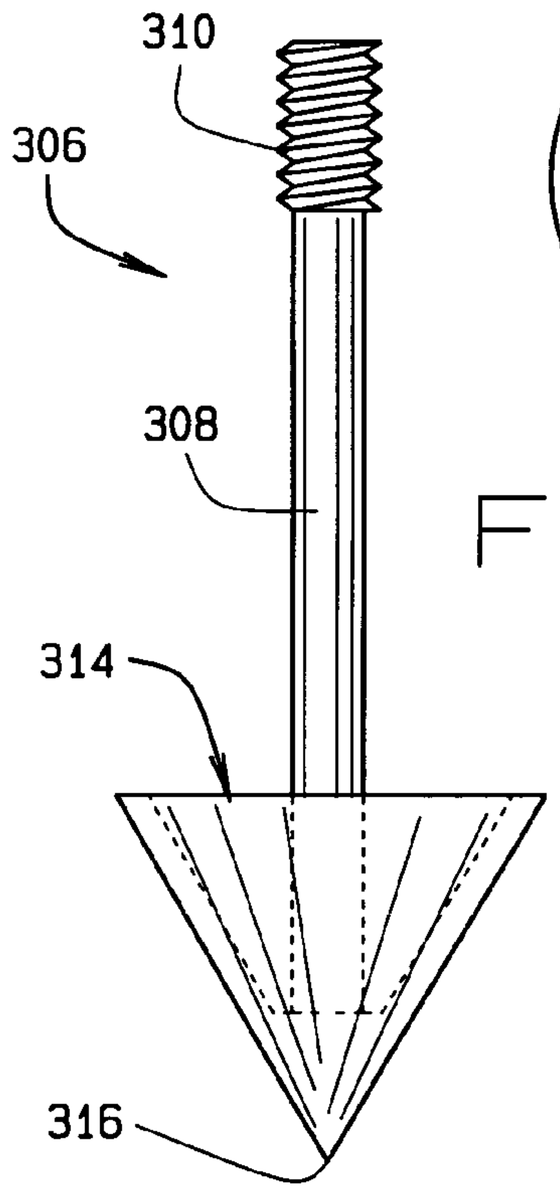


FIG. 9A

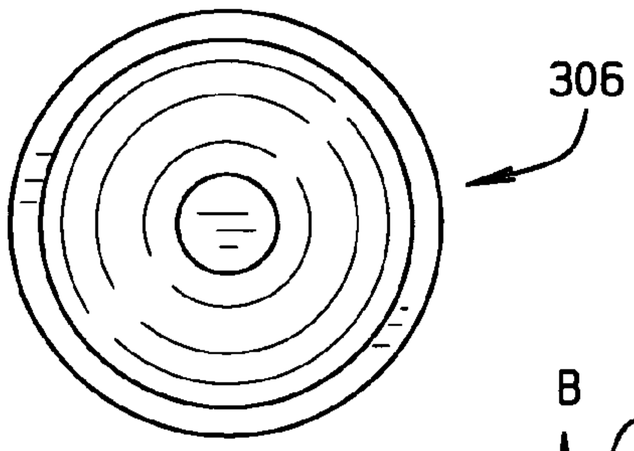


FIG. 9B

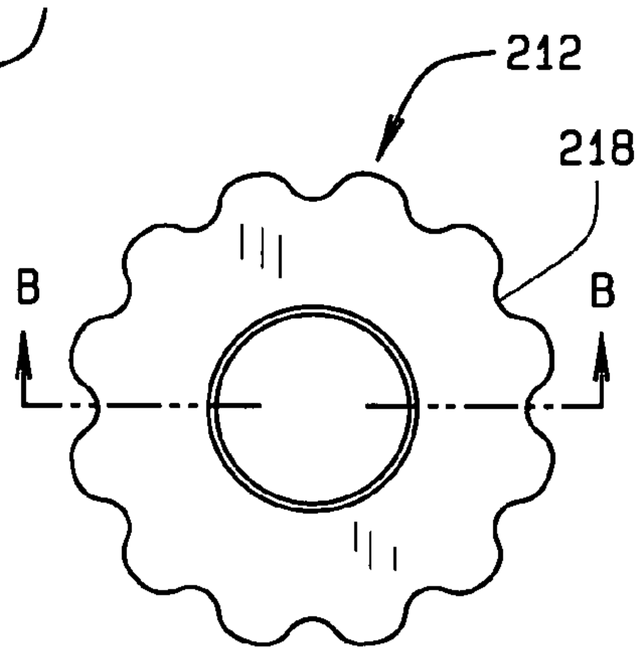


FIG. 10A

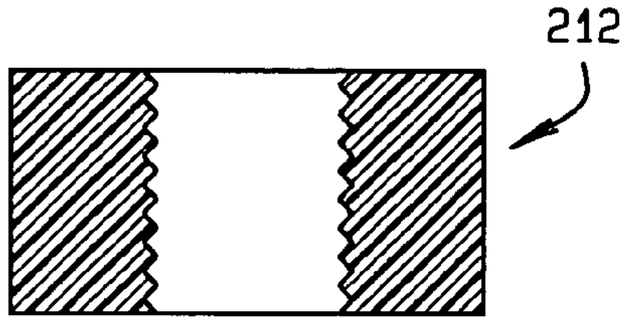


FIG. 10B

PLANT CONTAINER SOIL COVER DEVICE

CROSS-REFERENCE TO RELATED APPLICATIONS

Not Applicable.

STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH

Not Applicable.

BACKGROUND OF THE INVENTION

The present invention relates generally to soil covers, and in particular to soil cover for plant containers.

As any pet owner or parent can attest to, plant containers can unexpectedly turn into litter boxes, can be knocked over by pets, children, or wind, or can be played in by children. Various types of plant container covers have been developed to protect the soil from children and pets and to prevent spillage of the soil, while still allowing air circulation, fertilizing, and watering. However, these previous designs all have drawbacks. Some are not adjustable to accommodate multiple sizes of containers with varying sizes of plants. Others do not adequately secure to the container and are too easily removed. Most are simply aesthetically displeasing, which detracts from the visual delight normally associated with growing plants. Overall, none of the previous designs have proven to be effective at providing aesthetically pleasing cover that is easy to securely install and remove, able to accommodate various size plant containers with various size plants, while allowing proper access for air circulation, fertilizing, and watering.

DESCRIPTION OF THE DRAWINGS

In the accompanying drawings which form part of the specification:

FIG. **1** is a perspective view of a soil cover device secured to a plant container, in accordance with and embodying the present invention;

FIG. **2** is a plan view of an upper surface of a first embodiment of a partition member of the soil cover device;

FIG. **3** is a plan view of a lower surface of the first embodiment of the partition member of the soil cover device;

FIG. **4** is a sectional view of the first embodiment of the partition member along A-A of FIG. **3**;

FIG. **5** is a bottom perspective view of two partition members engaged with each other;

FIG. **6** is a perspective view of a first embodiment of an anchor;

FIG. **7** is a plan view of an upper surface of a second embodiment of a partition member;

FIG. **8**A is a perspective view of a second embodiment of the anchor;

FIG. **8**B is a front elevation view of the second embodiment of the anchor;

FIG. **8**C is a side elevation view of the second embodiment of the anchor;

FIG. **9**A is a front elevation view of a third embodiment of the anchor;

FIG. **9**B is a top plan view of the third embodiment of the anchor;

FIG. **10**A is a plan view of a nut for use with the anchors of FIGS. **8**A-**9**B; and

FIG. **10**B is a sectional view of the nut along line B-B of FIG. **10**A.

Corresponding reference numerals indicate corresponding parts throughout the several figures of the drawings.

DETAILED DESCRIPTION

The following detailed description illustrates the invention by way of example and not by way of limitation. The description clearly enables one skilled in the art to make and use the invention, describes several embodiments, adaptations, variations, alternatives, and uses of the invention, including what is presently believed to be the best mode of carrying out the invention. Additionally, it is to be understood that the invention is not limited in its application to the details of construction and the arrangements of components set forth in the following description or illustrated in the drawings. The invention is capable of other embodiments and of being practiced or being carried out in various ways. Also, it is to be understood that the phraseology and terminology used herein is for the purpose of description and should not be regarded as limiting.

As shown in FIGS. **1-6**, a first embodiment of the present invention, generally referred to as a soil cover device **100**, removably secures to an opening of a plant container A to restrict access to soil B therein by children and pets, while facilitating the passage of air, water, and fertilizer to the soil B through a plurality of openings **102**. At least one of the openings **102** allows the passage of anchors **106**, such as through hole **132**. The openings **102** can be any shape or size, and in fact can be small so as to comprise perforations in the cover device **100**. Further, the soil cover device **100** prevents spillage of the soil B if the container A is tipped over. The soil cover device **100** includes a plurality of partition members **104** and is removably secured in the container by anchors **106**, which pass through the partition members **104** to at least partially imbed into the soil B. When assembled, the partition members **104** form an aperture **108** for a plant C to extend therethrough. The cover **100** of FIG. **1** includes four (4) anchors **106** and eight (8) partition members **104**. Hence, an anchor **106** is not needed for each partition member **104**. However, the number of anchors **106** to be supplied with the cover **100** will depend on the diameter of the assembled cover and the number of partition members **104** which make up the cover **100**.

In the first embodiment, each partition member **104** is a generally planar sector of a circle having a proximal end **110**, a distal end **112**, a upper surface **114**, a lower surface **116**, a leading edge **118**, and a trailing edge **120** (FIGS. **2-4**). The partition member **104** has a thickened portion **121** near the partition's proximal end **110**, which is generally arcuate and has sloped inner and outer surfaces **121***a* and **121***b*. The proximal end **110** terminates in a lowered lip **122**, which extends from the bottom of the outer surface **121***b* of the thickened portion **121** and is capable of seating on a container rim **124** or resting on the soil B proximate the container rim **124**. The lowered lip **122** is preferably arcuately-shaped to correspond to the curvature of the cylindrical container **124** of the container A (FIG. **1**), but can be any appropriate shape that corresponds to any shaped plant container.

At the proximal end **110** of the partition **104**, a tab **126**, extends from the upper surface **114** of the partition member **104** (and in fact extends from the top of the thickened portion **121**) and is positioned adjacent to the leading edge **118** of the partition member **104**. The tab **126**, as best seen in FIG. **4**, has a stem **126***a* projecting upwardly from the partition upper surface and an enlarged head **126***b* at the top of the stem **126***a*.

The tab head **126***b* is preferably round in plan view, but can be formed in other shapes as may be desired

The lower surface **116** of proximal end **110** defines a slot **128** extending generally parallel with the lowered lip **122** for coupling with the tab **126**. The slot **128** begins at the leading edge **118** and terminates at a stop **130** prior to the trailing edge **120**. The slot **128** extends through the thickened portion **121** and is below the tab **126**. The slot **128** is generally T-shaped and defines a channel **128***a* sized to receive the tab head **126***b* and an opening **128***b* in the channel through which the tab stem **126***a* can extend. The tab **126** and slot **128** are shaped and sized, such as with a clearance fit, to facilitate lateral and rotary movement of the tab **126** within the slot **128**.

To assemble the soil cover device **100**, the tab **126** of each partition member **104** is inserted into the opening of the slot **128** of an adjacent partition member **104** at the leading edge of the adjacent partition member so that the partition members **104** are positioned generally juxtaposed and parallel to each other with each leading edge **118** of one partition member **104** overlapping a trailing edge **120** of the adjacent partition member **104**. In this position, each partition **104** is angled downwardly from the leading edge **118** to the trailing edge **120** so that each tab **126** properly engages with each respective slot **128**. When completely assembled, the plurality of partitions **104** can be formed into a generally contiguous and circular arrangement with the center aperture **108** through which the plant C extends. This arrangement corresponds with the shape of the container A so that the lowered lip **122** of the partition members **104** rests along the container rim **124** (i.e., either inside diameter, or the top of the container rim **124**). The tab/slot connection between adjacent partition members **104** allow the partition members **104** to pivot relative to each other above the tab stem **126***a*. Hence, the shape of the assembled soil cover device **100** can be adjusted to fit containers having a small range of dimensions, or even differently shaped containers.

At the distal end **112** of each partition member **104**, the lower surface **116** defines a plurality of scores **134**, preferably arcuately-shaped, which allow a user to break off and remove a predetermined portion of the distal end **112** to adjust the size of the aperture **108** formed when the partitions **104** are assembled. This allows the aperture **108** to accommodate different size plants C. As previously mentioned, each partition member **104** also includes a plurality of openings **102**, preferably circularly shaped, which facilitate the passage of air, water, and fertilizer to the soil B. The size, shape, number, and placement of the openings **102** can be changed as desired. A through hole **132** is located generally at the middle of each partition member **104** for receiving the anchor **106**.

In a first embodiment (FIG. **6**), the anchor **106** includes a shank **135** having threads **136** terminating at an upper end with a handle **138**. The overall diameter of the threads **136** are sized to have a clearance fit with the through hole **132** of the partition member **104**. The handle **138** is shown to include a pair of ears **139**, which extend outwardly. The handle **138** is sized so that at least a portion of the handle **138** is a larger than the diameter of the through hole **132** for engagement of the partition member upper surface **114**. In operation, the shank **135** is inserted through the through hole **132** of the partition **104** and into the soil B. By turning the handle **138**, the threaded shank **136** screws into the soil B until the handle **138** is secured firmly against the partition member upper surface **114**. The ears **139** facilitate rotation of the anchor. However, the handle **138** and ears **139** could, for example, be replaced with a flat disc, which can be provided with a slot to receive a driver (such as a screwdriver, allen wrench, etc.). This will then present a relatively flat surface on the soil cover upper surface **114**.

The threads **136** are sized to define a fairly large surface area. For example, the threads can have an overall diameter of about 0.75" and the shank **135** can have a diameter of about 0.25". Hence the threads have a diameter that is about three times greater than the shank diameter. Additionally, the threads **136** can have a fairly shallow slope. For example, the thread slope can be about 30°. In an alternative embodiment, the threads can have an overall diameter of about 0.25" and the shank **135** can have a diameter of about 0.125". Hence the threads have a diameter that is about two times greater than the shank diameter. In this alternative embodiment, the threads **136** can have a similarly shallow slope of about 30°. These dimensions and ratios allow for the soil B to be received between the threads **136**. Further, when the plant is watered the soil B will become compacted about and between the threads. Thus, the threads **136** of the anchor **106** will securely hold the partition members **104** in place in the container A.

As shown in FIGS. **8**A-C and **10**A-**10**B, a second embodiment of the anchor **206** includes a shank **208** having a threaded upper end **210** for engagement with a nut **212**, and an elongated pyramid-shaped fluke **214** at a lower end, which is capable of imbedding into the soil B to resist removal. The fluke **214** is positioned with an edge **216** pointing downwardly so that the edge **216** pierces through the soil B when the anchor **106** is inserted into the soil B. The diameter of the shank **208** is sized to have a clearance fit with any of the openings **102**. Therefore, no through hole **132** is necessary in this embodiment. The nut **212** includes vertical grooves **218** to aid with gripping. In operation, the anchor **206** is inserted into the soil B so that the entire fluke **214** is imbedded. The anchor **106** can then be turned, for example, by approximately 90° to secure the fluke **214** within the soil B. The partition **104** is then placed over the anchor shank **208** so that the shank **208** extends through on of the partition openings **102**. The anchor **206** should be positioned at a location and inserted to a depth that allows the threaded upper end **210** to protrude upwardly through one of the openings **102**. The nut **212** is threaded onto the upper end **210** until the nut **212** is secured firmly against the partition member upper surface **114** and the lowered lip **122** is secured along the container rim **124**.

As shown in FIGS. **9**A-**9**B and **10**A-**10**B, a third embodiment of the anchor **306** includes a shank **308** having a threaded upper end **310** for engagement with the nut **212**, and an hollow cone-shaped fluke **314** at a lower end, which is capable of imbedding into the soil B to resist removal. The fluke **314** is positioned with a tip **316** pointing downwardly so that the tip **316** pierces through the soil B when the anchor **306** is inserted into the soil B. The diameter of the shank **308** is sized to have a clearance fit with any of the openings **102**. Therefore, no through hole **132** is necessary in this embodiment. In operation, the anchor **306** is inserted into the soil B so that the entire fluke **314** is imbedded in the soil. The anchor **306** should be positioned at a location and inserted to a depth that allows the threaded upper end **310** to protrude upwardly through one of the openings **102** with the anchor imbedded in the soil. The partition **104** is placed over the soil B with the anchor shank **308** extending through one of the partition openings **102**. The nut **212** is then threaded onto the shank upper end **310** until the nut **212** is secured firmly against the partition member upper surface **114** and the lowered lip **122** is secured along the container rim **124**.

The soil cover device **100**, including both the partition members and the anchors, can be manufactured from any

suitable material, preferably a thermoplastic such as ABS, PVC and nylon, but also metal, ceramic, wood, composite, or combination thereof.

Additionally, the soil cover device **100** can be designed to withstand impact from falling objects, children and pets. The following four equations can be used to determine a designated thickness "t" of the partition members **104** needed to withstand a predetermined impact load from an object.

$$PE = w \cdot h \quad 1)$$

where;

PE=Potential energy of object
w=weight of the object
h=Height of object

$$2)\ \varepsilon_y = \frac{\sigma_y}{E}$$

where;

ϵ_y=Yield Strain
σ_y=Yield Stress
E=Young's Modulus

$$3)\ E_V = \frac{1}{2}\sigma_y \varepsilon_y$$

where;

E_v=Yield Energy per Unit Volume
σ_y=Yield Stress
ϵ_y=Yield Strain

$$4)\ t = \frac{PE}{E_v \cdot \left(\left(\frac{\pi}{4}D^2 - \frac{\pi}{4}d^2\right) \cdot (1 - H)\right)}$$

where;

t=Thickness of the Partition Member
PE=Potential Energy of Object
E_V=Yield Energy per Unit Volume
D=Outside Diameter of Soil Cover Device
d=Diameter of Aperture
H=Percentage of Material Removed for Openings

As an example, these equations are used below to determine the thickness "t" necessary to withstand an impact load by a two (2) pound coffee mug falling from three (3) feet. For the purposes of this example, the soil cover device **100** has an outer diameter of twenty-two inches (22"), an aperture diameter of four inches (4"), and 25% of the material is removed for the openings.

$$1)\ PE = w \cdot h$$

$$PE = 2\text{lb}f \cdot 3\text{ft} = 6\text{ft} \cdot \text{lb}$$

$$2)\ \varepsilon_y = \frac{\sigma_y}{E}$$

$$\varepsilon_y = \frac{719{,}500\ psf}{3.3984 \cdot 10^7} = 0.02117\ \frac{\text{ft}}{\text{ft}}$$

$$3)\ E_V = \frac{1}{2}\sigma_y \varepsilon_y$$

$$E_V = \frac{1}{2}(719{,}500\ psf)\left(0.02177\ \frac{\text{ft}}{\text{ft}}\right) = 7{,}831\ \frac{\text{ft} \cdot \text{lb}}{\text{ft}^3}$$

-continued

$$4)\ t = \frac{PE}{E_V \cdot \left(\left(\frac{\pi}{4}D^2 - \frac{\pi}{4}d^2\right) \cdot (1 - H)\right)}$$

$$t = \frac{6\ \text{ft} \cdot \text{lb}}{7{,}831\frac{\text{ft} \cdot \text{lb}}{\text{ft}^3} \cdot \left(\left(\frac{\pi}{4}(1.833\ \text{ft})^2 - \frac{\pi}{4}(0.3333\ \text{ft})^2\right) \cdot (1 - 0.25)\right)}$$

$$= 0.004804\ \text{ft}$$

$$= 1.46\ \text{mm}$$

Those skilled in the art will recognize that the size and shape of various elements of the partition **104** can be modified without departing from the scope of the invention. For example, the tab **126** and slot **128** can be any suitable size and shape that facilitates lateral and rotary movement of the tab **126** within the slot **128**, including but not limited to spheroid, catenoid, cylindrical, and the like. In addition, the slot **128** can begin and end at different locations, such as the slot **128** beginning adjacent to the leading edge and having an opening to receive the tab. Also, the openings **102** can be any size or shape that facilitates the passage of air, water, and fertilizer to the soil, such as rectangular, elliptical, obround, orthogonal, or any combination thereof. The anchors can be sized differently as, for example, the anchor **106** could be made to have a smaller diameter to pass through the holes **102**.

Additionally, other sizes and shapes of partition members **104** can be used to accommodate various sizes and shapes of plant containers, including but not limited to, rectangular, elliptical, obround, orthogonal, or any combination thereof. For example, the rectangular shaped partition member **404** of FIG. **7** can be used in conjunction with the partition members **104** to form an oval soil cover.

Changes can be made in the above constructions without departing from the scope of the invention, it is intended that all matter contained in the above description or shown in the accompanying drawings shall be interpreted as illustrative and not in a limiting sense.

What is claimed is:

1. A soil cover comprising:

a plurality of partition members; the partition members each comprising:

a first surface, a second surface opposite said first surface, a trailing side edge, a leading side edge, an inner edge, and an outer edge; the partition members having at least one opening that facilitates the passage of air, water, and fertilizer to soil within the container; the partition members, when assembled, defining an aperture through which a plant can extend;

a tab having a neck and an enlarged end; said tab projecting from said first surface of each partition member generally normally to a plane defined by said first surface;

an elongated arcuate slot in said second surface of each respective partition member; said elongated slot being aligned with said tab; said elongated slot being adapted to receive the tab of an adjacent partition member; the elongated slot defining a channel and an upwardly facing elongate opening into said channel; said opening being narrower than said channel and being spaced inwardly from the outer edge of said second surface; said channel being sized and shaped to receive the enlarged end of said tab of an adjacent partition member and the slot opening being sized to receive the neck of said tab of said adjacent partition member; whereby, when adjacent partition members are connected, the tab of one partition

member is slidingly and pivotally received in the slot of an adjacent partition member such that the angular position of one partition member relative to an adjacent partition member can be selectively adjusted; and the relative shape of said slot and tab prevents substantial movement of the connected partition members relative to each other in a vertical plate at the connection of the tab and slot, and the trailing side edge of each partition respective member overlaps the leading side edge of an adjacent partition member so that the plurality of partition members are positioned generally juxtaposed to each other to form the cover; and

at least one anchor sized to pass through the at least one opening and being adapted to engage the soil to removably secure the cover in the container.

2. The soil cover of claim **1**, wherein each partition member comprises:

at least one score on one of said first and second surfaces and positioned for removal of a predetermined portion of the partition member for adjustment of the size of the aperture.

3. The soil cover of claim **1**, wherein the tab and the slot are sized with a clearance fit to facilitate lateral and rotary movement of the tab within the slot.

4. The soil cover of claim **1**, wherein the at least one anchor comprises:

a shank having threads sized and shaped to be capable of removably imbedding into the soil to removably secure the soil cover to the container.

5. The soil cover of claim **1**, wherein the at least one anchor further comprises:

a handle sized with at least a portion of the handle being larger than the at least one opening so that the handle can engage an upper surface of the partition member and secure the soil cover in the container.

6. The soil cover of claim **1**, wherein the at least one anchor further comprises:

a fluke at one end of the shank capable of removably imbedding into the soil to removably secure the soil cover to the container; and

a shank having threads at an end opposite the fluke, the shank being sized so that the threads can extend through the at least one opening of the partition member; and

a nut capable of engaging with the threads to secure the nut against an upper surface of the partition member and secure the soil cover.

7. The soil cover of claim **6**, wherein the fluke comprises an elongated pyramid having an edge pointing downwardly from the shank.

8. The soil cover of claim **6**, wherein the fluke comprises a hollow cone having a tip pointing downwardly from the shank.

9. The soil cover of claim **1**, wherein the plurality of partition members have a predetermined thickness as characterized by:

a. $$t = \frac{PE}{E_V \cdot \left(\left(\frac{\pi}{4}D^2 - \frac{\pi}{4}d^2\right) \cdot (1 - H)\right)}$$

where,

t is a thickness of each partition member;

PE is a potential energy of a predetermined object;

E_v is a yield energy per unit volume;

D is an outside diameter of the soil cover device;

d is a diameter of an aperture; and

H is a percentage of material removed for openings.

10. A soil cover comprising:

a plurality of partition members, the partition members having a first surface, a second surface opposite said first surface, a trailing side edge, a leading side edge, an inner edge, an outer edge, at least one opening that facilitates the passage of air, water, and fertilizer to soil within the container; the partition members, when assembled, defining an aperture through which a plant can extend;

a tab having a neck and an enlarged end projecting from said first surface of each partition member generally normally to a plane defined by said first surface;

an elongated arcuate slot in said second surface of each respective partition member; the elongated slot being sized and shaped to receive the tab of an adjacent partition member; the elongated slot defining a channel and an upwardly facing elongate opening into said channel; said opening being narrower than said channel and being spaced inwardly from the outer edge of said second surface; said channel being sized and shaped to receive the enlarged end of said tab of an adjacent partition member and the slot opening being sized to receive the neck of said tab of said adjacent partition member; whereby when adjacent partition members are connected, the tab of one partition member is slidingly and pivotally received in the slot of an adjacent partition member such that the angular position of one partition member relative to an adjacent partition member can be selectively adjusted; and the relative shape of said slot and tab prevents substantial movement of the connected partition members relative to each other in a vertical plate at the connection of the tab and slot, and the trailing edge of each partition respective member overlaps a leading edge of an adjacent partition member so that the plurality of partition members are positioned generally juxtaposed to each other to form the cover; and

at least one means for anchoring the soil cover in the container.

11. The soil cover of claim **10**, wherein the means for anchoring comprises:

a shank having threads capable of removably imbedding into the soil to removably secure the soil cover to the container.

12. The soil cover of claim **11**, wherein the means for anchoring further comprises:

a handle sized with at least a portion of the handle being larger than at least one of the openings so that the handle can engage an upper surface of the partition member and secure the soil cover to the container.

13. The soil cover of claim **10**, wherein the means for anchoring comprises:

a fluke at one end of the shank, the fluke being capable of removably imbedding into the soil to removably secure the soil cover to the container; and

a shank having threads and being sized so that the threads can extend through the openings of the partition member; and

a nut capable of engaging with the threads to secure the nut against an upper surface of the partition member and secure the soil cover.

14. The soil cover of claim **13**, wherein the fluke comprises an elongated pyramid having an edge pointing downwardly from the shank.

15. The soil cover of claim **13**, wherein the fluke comprises a hollow cone having a tip pointing downwardly from the shank.

16. The soil cover of claim 10, wherein each partition member comprises:

at least one score on one of said first and second surfaces and positioned for removal of a predetermined portion of the partition member for adjustment of the size of the aperture.

17. A soil cover comprising:

a plurality of partition members, each partition member having at least one opening that facilitates the passage of air, water, and fertilizer to soil within the container, the plurality of partition members, when assembled, defining an aperture through which a plant can extend;

at least one anchor that extends through at least one partition member to partially imbed into the soil, the at least one anchor having a shank with threads capable of removably imbedding into the soil to removably secure the soil cover to the container;

at least one score positioned for removal of a predetermined portion of each partition member for adjustment of the size of the aperture;

a tab having a neck and an enlarged end; said tab projecting from a first surface of each partition member; and

an elongated arcuate slot in said second surface of each respective partition member; said elongated slot being adapted to receive the tab of an adjacent partition member; the elongated slot defining a channel and an upwardly facing elongate opening into said channel; said opening being narrower than said channel and being spaced inwardly from the outer edge of said second surface; said channel being sized and shaped to receive the enlarged end of the tab of an adjacent partition member and the slot opening being sized to receive the neck of said tab of said adjacent partition member; and

wherein when adjacent partition members are connected, the tab of one partition member is slidingly and pivotally received in the slot of an adjacent partition member such that the angular position of one partition member relative to an adjacent partition member can be selectively adjusted; and the relative shape of said slot and tab prevents substantial movement of the connected partition members relative to each other in a vertical plane at the connection of the tab and slot; and wherein a trailing edge of each respective partition member overlaps a leading edge of an adjacent partition member so that the plurality of partition members are positioned generally juxtaposed to each other to form the cover.

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